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civil air navigation services organisation

## **CANSO Role in ATFM/CDM in APAC**

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**Cross Border ATFM Workshop 21 -22 October Jakarta 2015**

# What is CANSO?

- CANSO, the Civil Air Navigation Services Organization is the global association of ANSPs
- Its members support over 85% of the world's air traffic
- Currently 167 members – 87 ANSPs and 80 Associate Members.
- For the Asia Pacific region -19 ANSP members

# What is CANSO purpose?

- Help ANSPs transform Global ATM
- Creating Value for its members and stakeholders
- Have 3 standing committees
  - Safety
  - Policy
  - Operations



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# Why Is CANSO involved in Regional ATFM?

- Identified that an Regional Solution was required
- Enhanced Safety
- De-peaking of Traffic – reduces workload
- More efficient resource allocation
- Vision of Global ATFM



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# BKK-SIN CITY PAIR CDM PILOT PROJECT

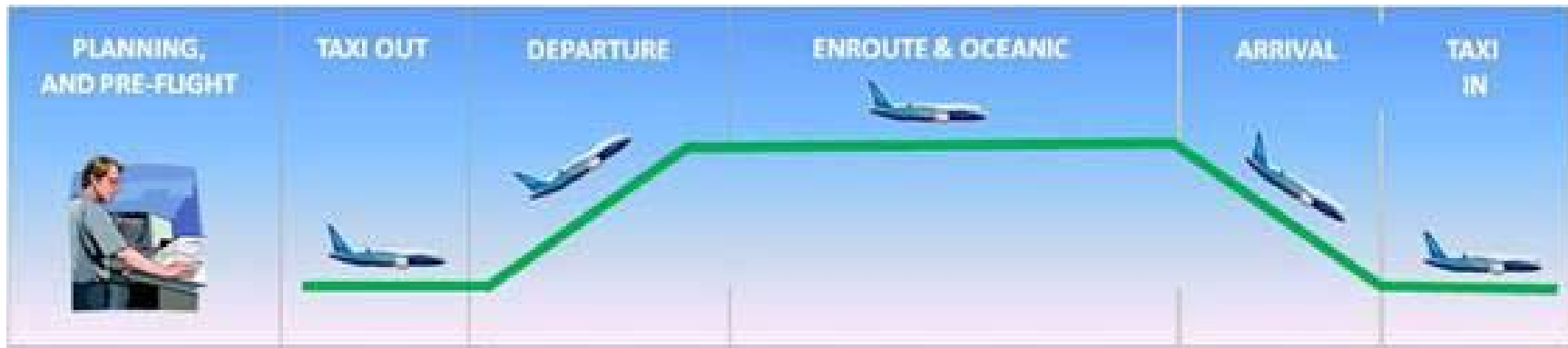


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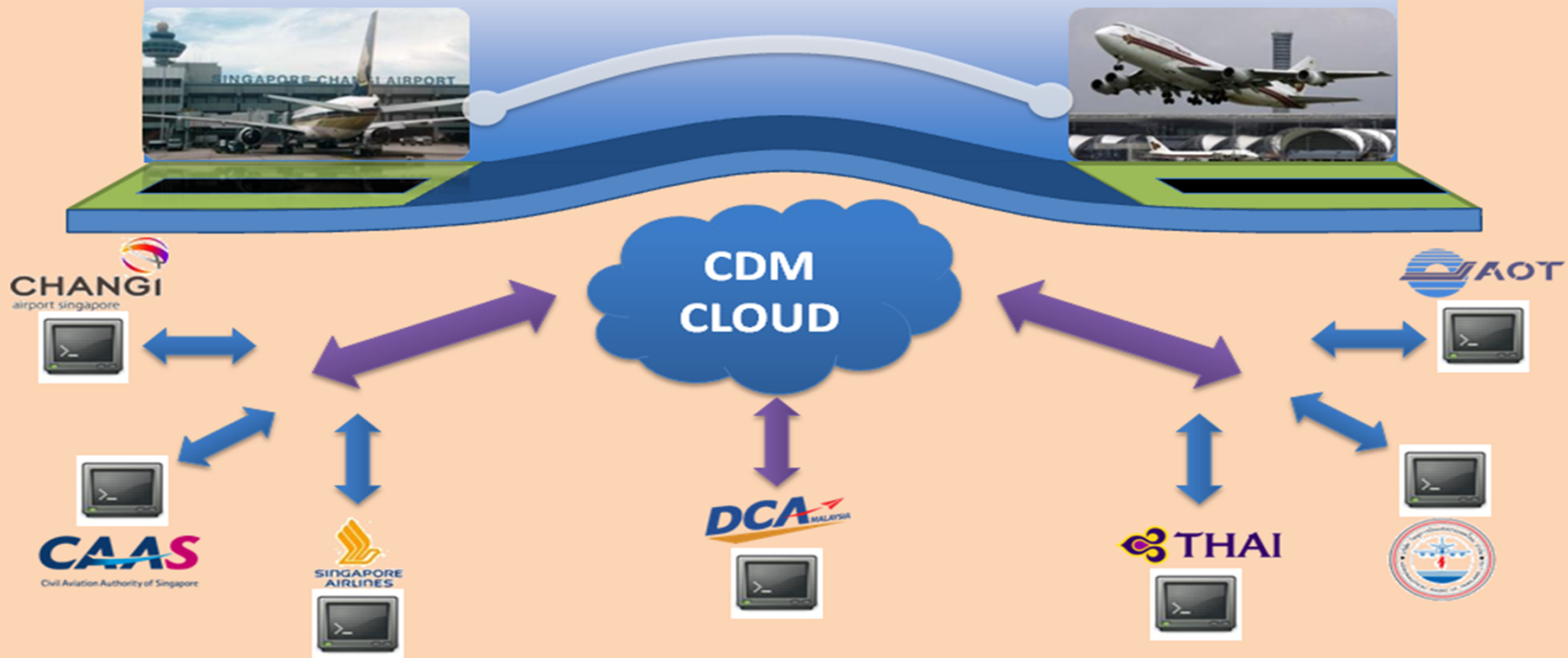
# Applying CDM to all phases of flight



- The CANSO CDM city pair concept looked at CDM for all phases of flight between a major city pair.

# BKK-SIN CITY PAIR CDM PILOT PROJECT

## CDM Concept of Operations



## CDM Benefits anticipated as result of project

- For Airports: improved adherence to slot times, better use of aircraft gates/stands, equipment and manpower deployment etc
- For Airlines: reduced schedule buffering, more efficient use of ground handling resources, shorter aircraft turn-around time, shorter taxiing and waiting time at runway etc
- For ANSPs: improved pre-departure sequencing and departure flows, increased runway capacity, better quality of service



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# Some observations from the trial

- Information updates by stakeholders were not consistent. Implying the need to get all staff to buy into the CDM philosophy.
- Although the focus of the trial was more on the CDM process rather than the CDM tools there is clearly a need for greater automation so that operators can focus more on analysing and using the information to enhance their operations
- While qualitative benefits were clear, it was difficult to assess the benefits quantitatively.



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## SIN-BKK CDM City Pair Pilot Project Report

- More details are available in the project report which can be downloaded at <http://www.canso.org/bangkok-singapore-cdm-journal>.
- Or go to the CANSO website [www.canso.org](http://www.canso.org) and look under Asia Pacific Documents



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## From CDM to ATFM

- From City Pair CDM to a sub-regional distributed ATFM network concept, an initiative of the ANSPs of Singapore, Thailand and Hong Kong
- Meetings of the ICAO Asia Pacific ATFM Steering Group in Hong Kong and Singapore
- Agreement to do a baseline study and to develop strategies for a regional ATFM framework



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## CANSO continued roll in ATFM/CDM - APAC

- ICAO APAC ATFM/SG
  - Terminologies of ATFM
  - ATFM Personnel Requirements
  - Capacity Enhancements
- Multi-Nodal ATFM Workgroup
- Supported IATA baseline study of ATFM in the region and development of guidance material for ATFM/CDM implementation in the region



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## CANSO continued roll in ATFM/CDM - Globally

- Advocate for Increased CDM
  - Creating a CANSO A-CDM Guidance Document
  - Developing a pool of A-CDM SMEs on A-CDM
  - Work with ICAO to evolve current documents on CDM
- Participate in various workshops/conferences

## Conclusion

- CANSO has played an active role in CDM in APAC
- Role in APAC has been an example in other parts of the World
- Actively involved throughout the world in ATFM/CDM implementation
- Believes ATFM/CDM is essential for continued growth of aviation